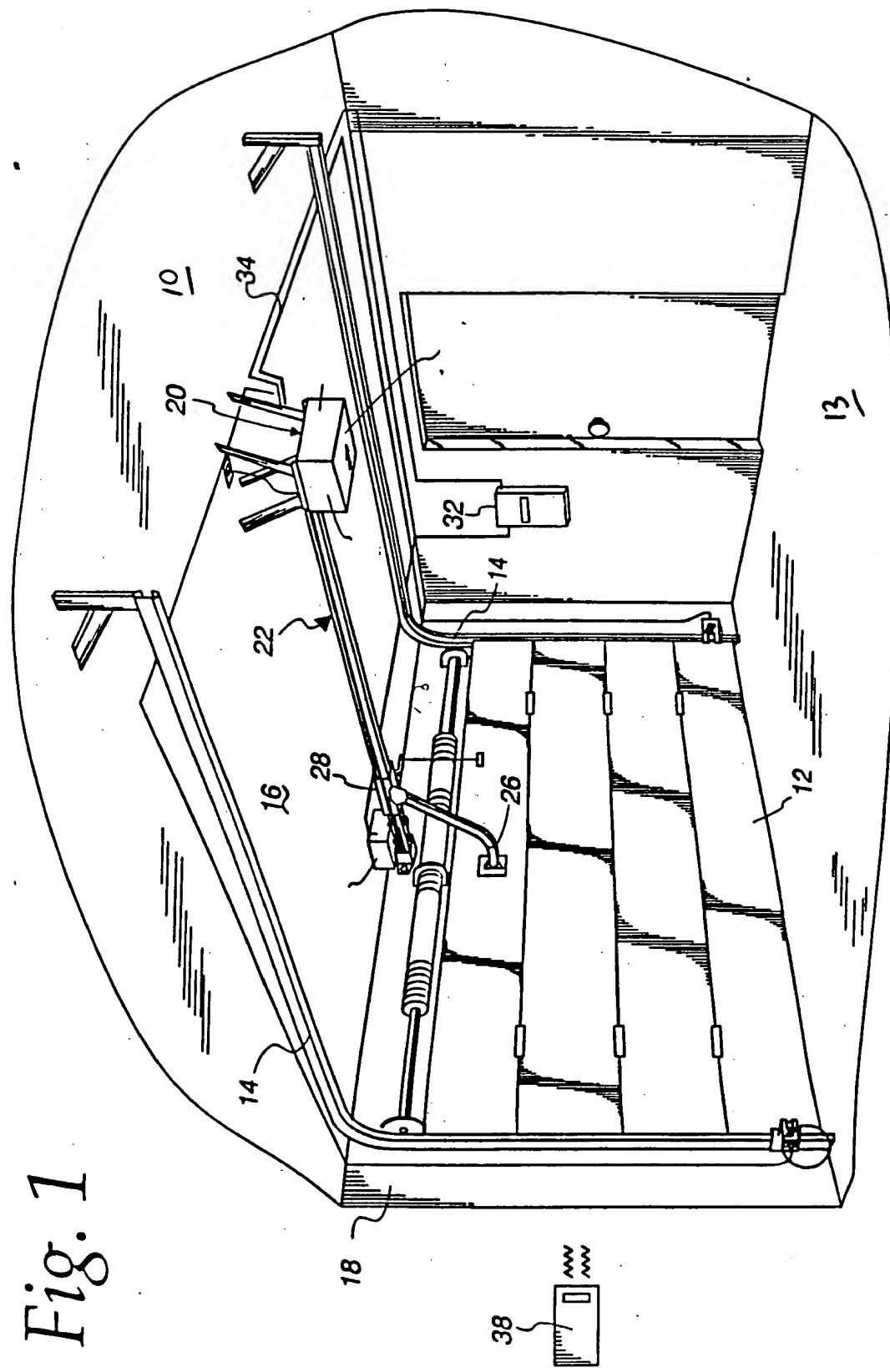


Fig. 1



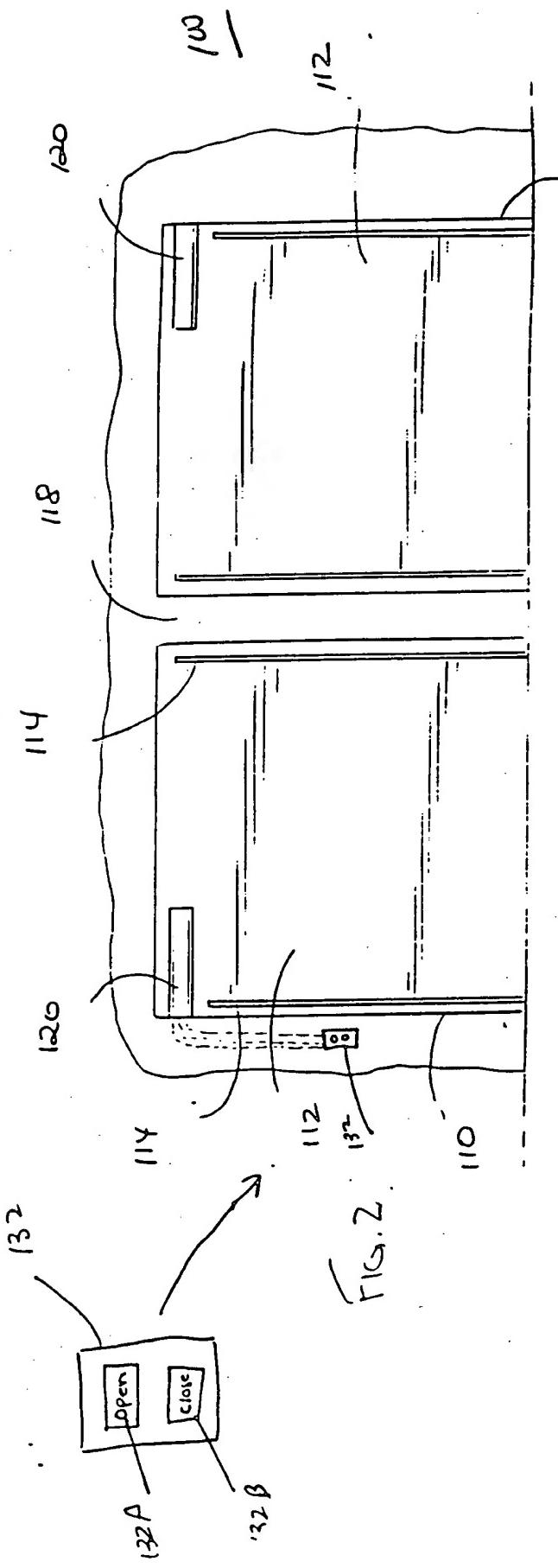


FIG. 2

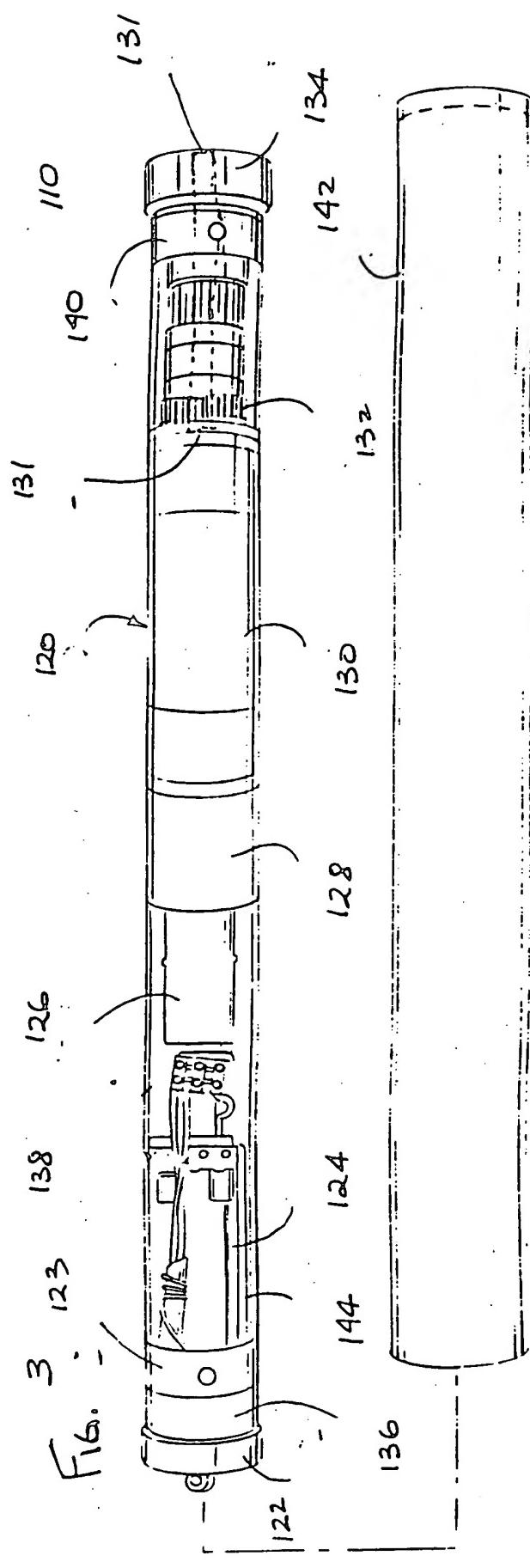


FIG. 3

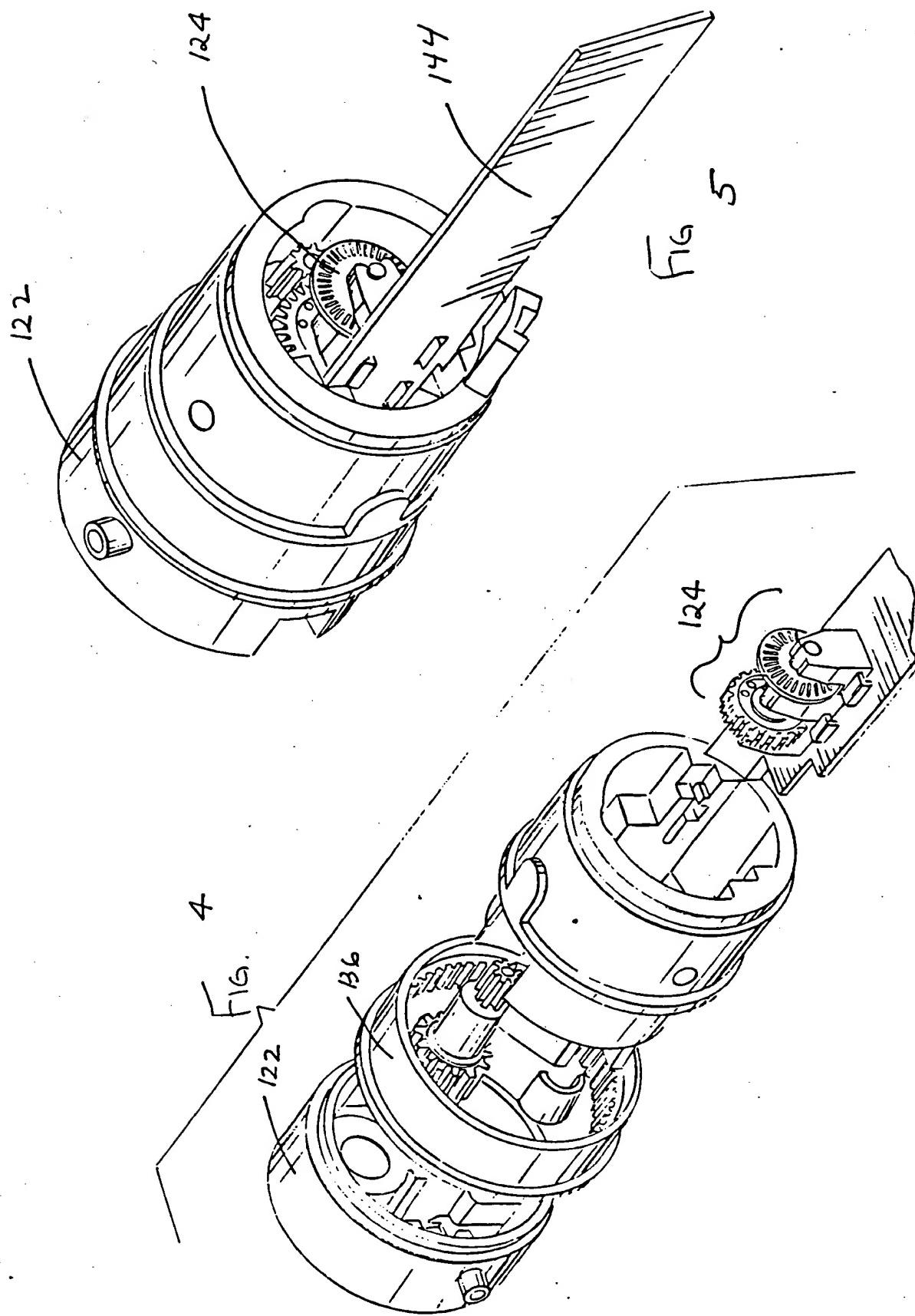
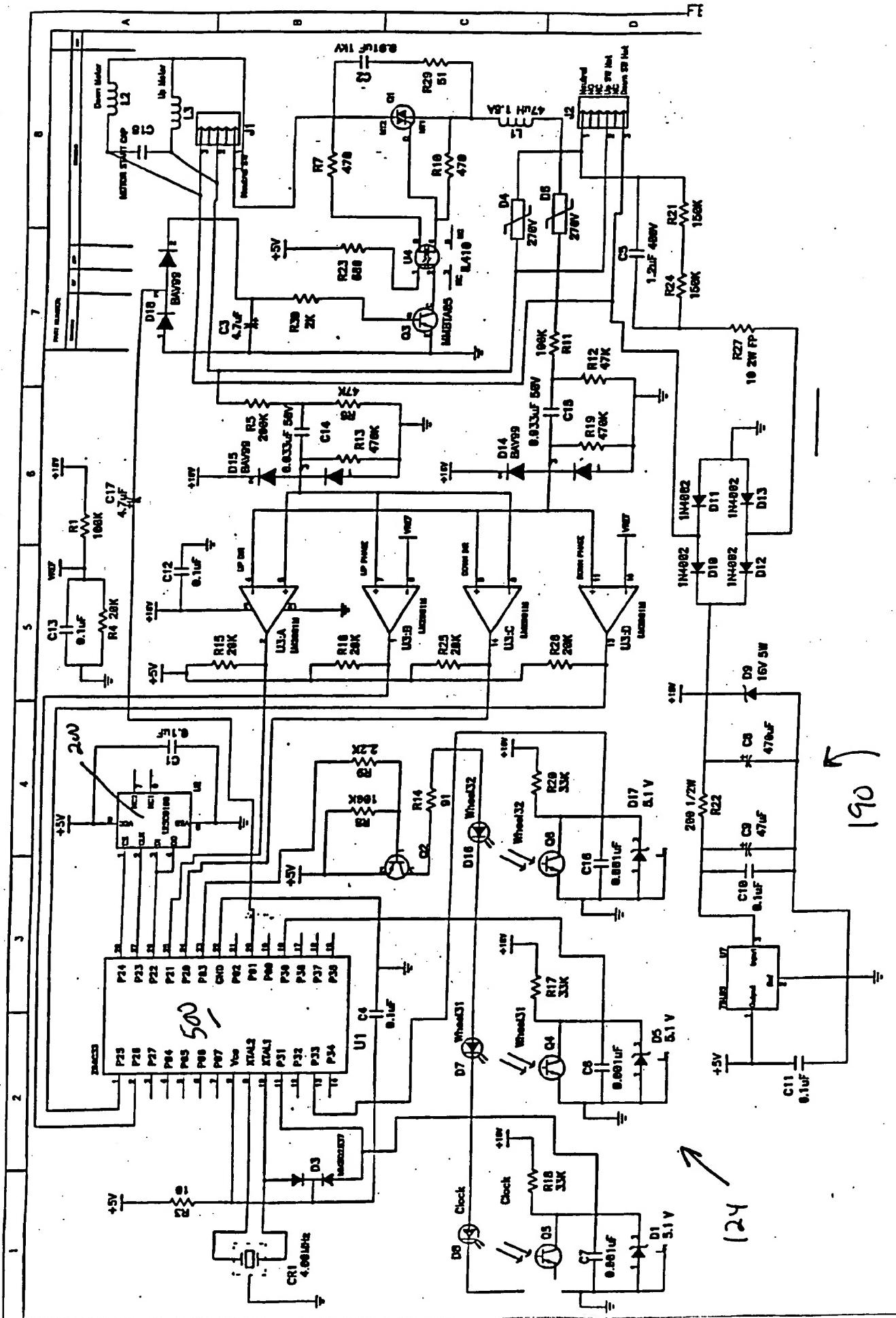
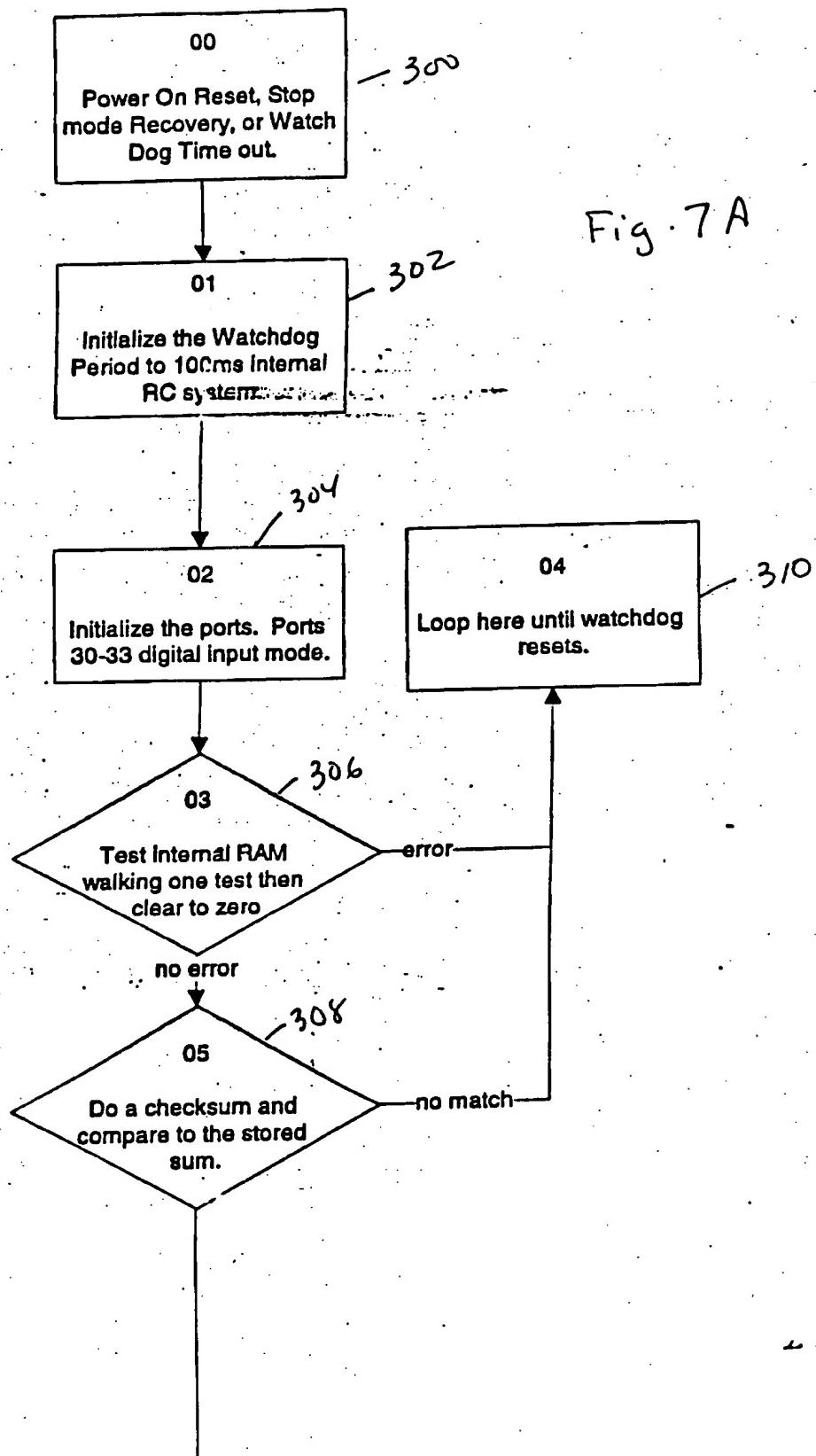


FIG. 6





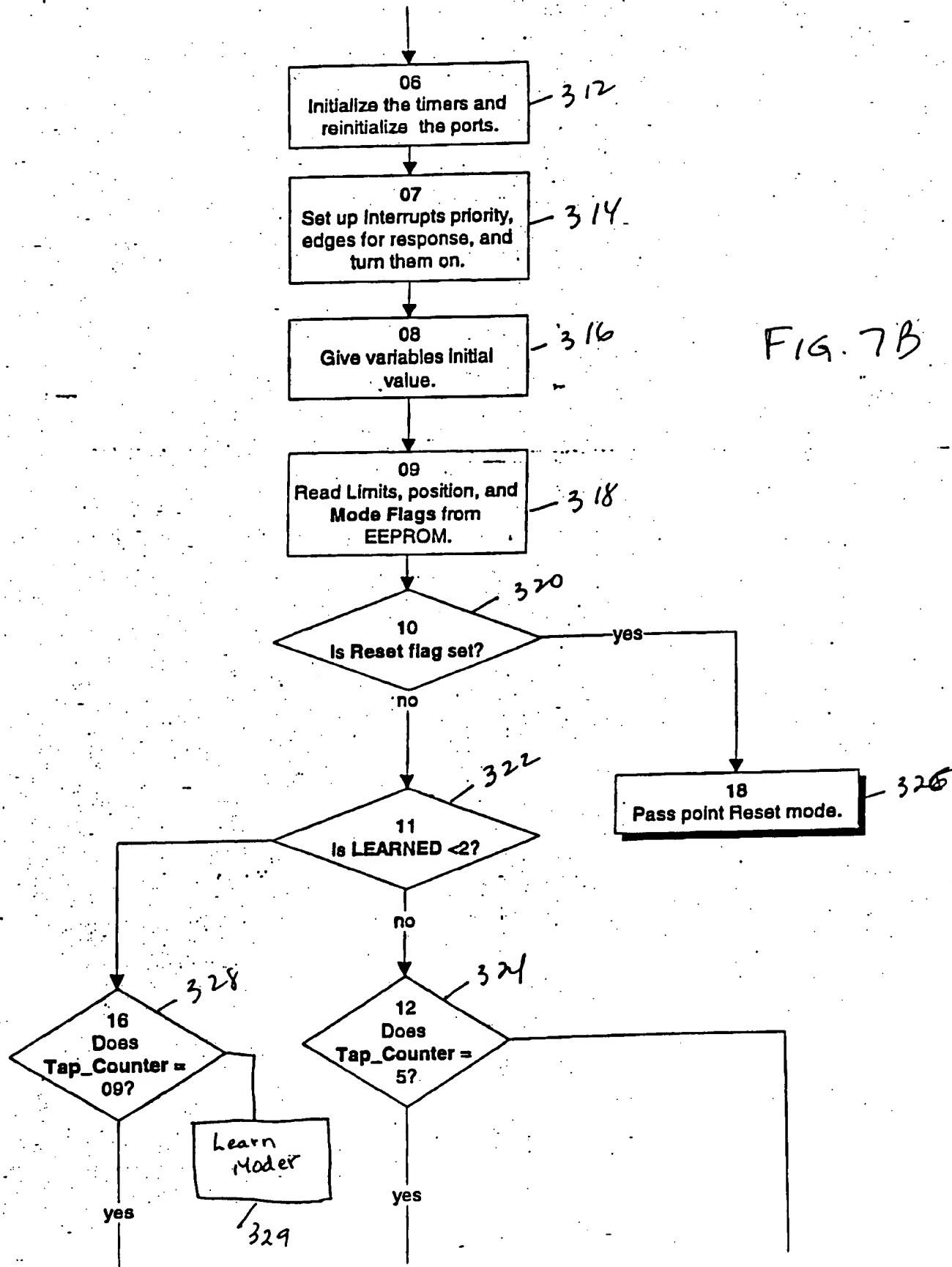


FIG. 7B

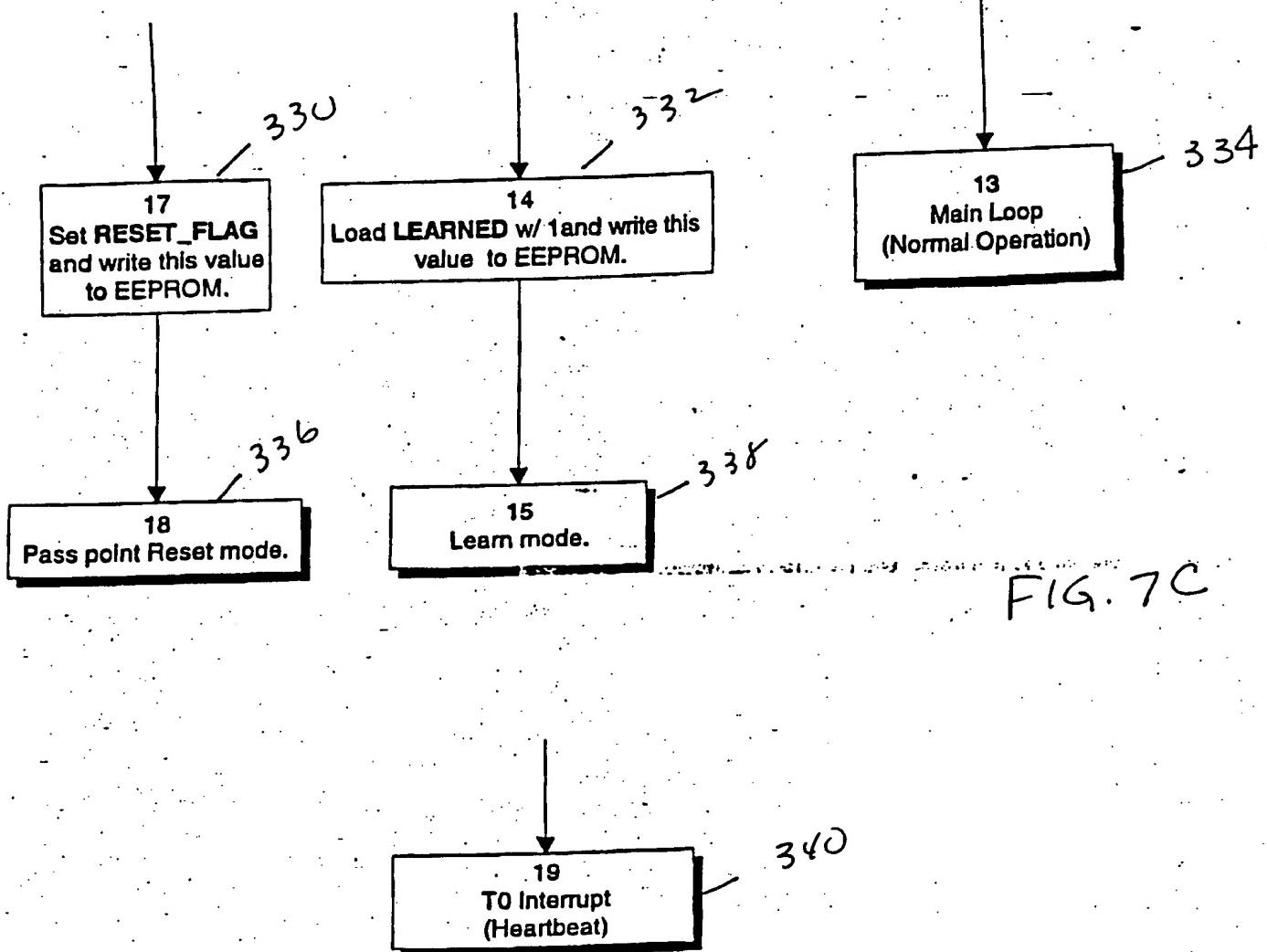


FIG. 7C

19.0
TO_INTERRUPT (HEARTBEAT) = 1ms.

340

CHECK_START_FLAG

Increment DELAY TIMER — 3.42

344

Does START
FLAG=1?

yes

342

TIMER_0_RETURN

346

Is POWER
Input high?

yes

348

Inc POWER_LFC.
Clear OFF_LFC

352

TEST_MOTOR

354

Is motor on?

yes

360

Is Up input
high?

yes

362

Is Down high?

yes

Inc DOWN_LFC

366

Inc UP_LFC

364

350

Increment OFF_LFC.
Clear POWER_LFC
Clear UP_LFC
Clear DOWN_LFC

INCREMENT_OFF_LFC

yes

OFF_LFC >=
227

yes

Leave
interrupt

358

TEST_POWER_LFC

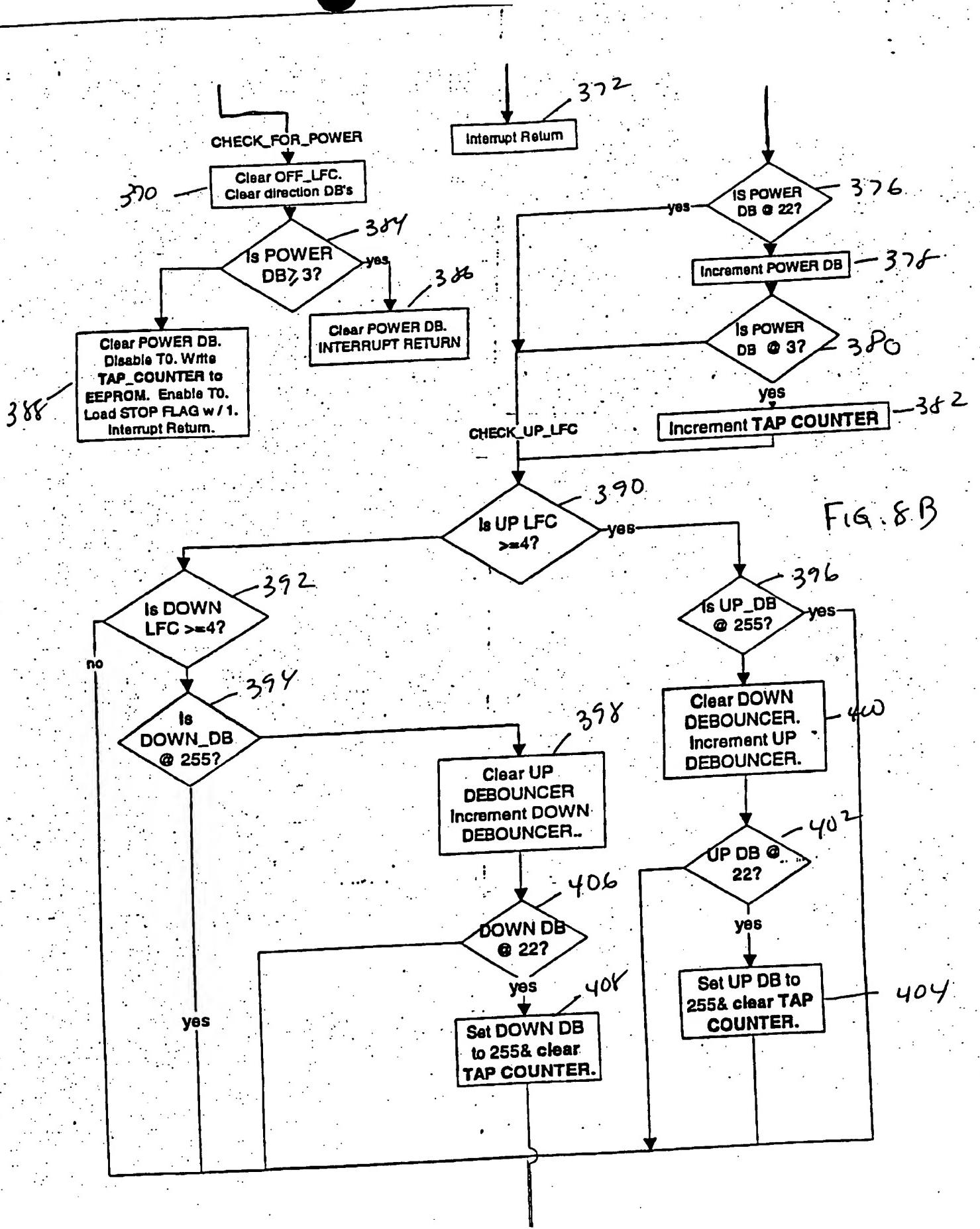
POWER_LFC

=?

368

yes

Fig. 8A



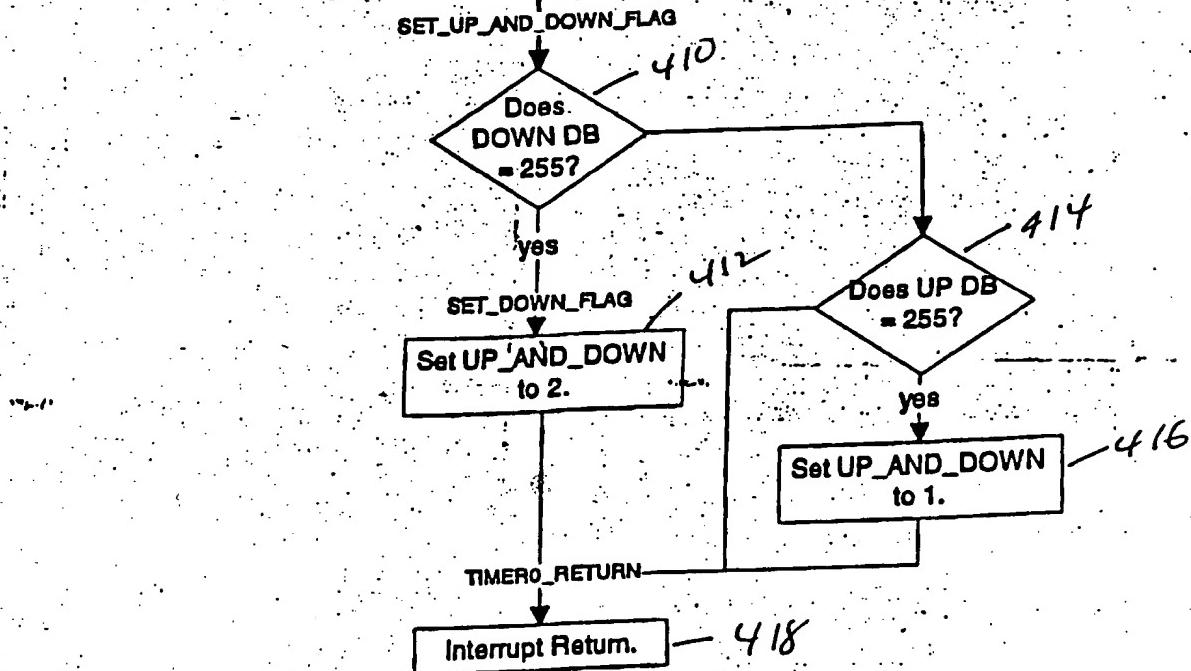


FIG. 8C